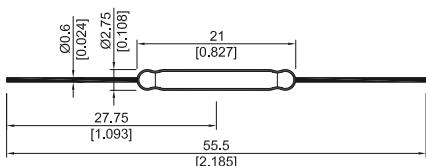


## DIMENSIONS

All dimensions in mm [inches]



## CHARACTERISTICS

- Glass length of 21.0 mm and diameter of 2.75 mm
- Normally open 1 Form A contact
- Switching voltage up to 1000 VDC
- Breakdown voltage up to 4.0 kVDC
- Switching current 1 A
- Carry current 2.5 A
- 100 W switching

## CONTACT DATA

| All Data at 20 °C                    | Switch Model →<br>Contact Form →                                    | KSK-1A85...<br>Form A |      |      |       |
|--------------------------------------|---|-----------------------|------|------|-------|
| Contact Ratings                      | Conditions  | Min.                  | Typ. | Max. | Units |
| Switching Power*                     | Any DC combination of V and A not to exceed their individual max.'s |                       |      | 100  | W     |
| Switching Voltage                    | DC or peak AC   |                       |      | 1    | kV    |
| Switching Current                    | DC or peak AC   |                       |      | 1.0  | A     |
| Carry Current                        | DC or peak AC   |                       |      | 2.5  | A     |
| Static Contact Resistance            | at 0.5 V & 10 mA  |                       |      | 150  | mΩ    |
| Dynamic Contact Resistance           | measured w/ 0.5 V & 50 mA, 1.5 ms after closure                     |                       |      | 200  | mΩ    |
| Insulation Resistance cross Contacts | 100 Volts applied   | 10 <sup>10</sup>      |      |      | Ω     |
| Breakdown Voltage                    | > 60 sec.   | 4                     |      |      | kVDC  |
| Release Time incl. Bounce            | 100 % overdrive   |                       |      | 1.0  | ms    |
| Release Time                         | measured with/ no coil suppression                                  |                       |      | 0.1  | ms    |
| Capacitance                          | at 10 kHz across contact  |                       | 0.2  |      | pF    |
| Test Coil                            | KMS-01  |                       |      |      |       |
| Standard AT range                    |   | 20                    |      | 60   | AT    |
| Environmental Data                   |   |                       |      |      |       |
| Shock Resistance                     | 1/2 sine wave for 11 ms   |                       |      | 50   | g     |
| Vibration Resistance                 | 10 - 2000 Hz  |                       |      | 20   | g     |
| Ambient Temperature                  | max. 10 °C / minute allowance                                       | -20                   |      | 130  | °C    |
| Stock Temperature                    | max. 10 °C / minute allowance                                       | -55                   |      | 130  | °C    |
| Soldering Temperature                | 5 sec. dwell  |                       |      | 260  | °C    |

Note: The indicated electric data are maximum values can vary downwards when using a more sensitive switch.  
\* For life expectancy see our test section on Page 120.

## ORDER INFORMATION

Part Number Example - KSK - 1A85 - 2030

2030 is the AT range (Any AT can be ordered between 20 &amp; 60 in a minimum range of 10 AT)

| Series  | Contact Form | Switch Model | AT Range (between) |
|---------|--------------|--------------|--------------------|
| KSK -   | 1A           | 85 -         | xxxx               |
| Options |              |              | 20 - 60            |